Department of Transportation
Olympia, Washington 98504

ATTENTION: All Bidders and Planholders

SR 5 AND 524
196TH ST SW/SR 524 I/C - WESTSIDE
PHASE B-3 AND 40TH AVE W VIC TO SR 5
F.A. NOS. HP-0054(243), IM-0054(243) &
NH-0054(243)

Addendum No. 5

The Special Provisions, Plans, Proposal, and Wage Rates for this project are amended as follows:

Special Provisions

1. On page 131, lines 41 through 48 are revised to read as follows:

   This contract provides for the improvement of *** SR 5 in Snohomish County, MP 181.26 to MP 182.18[~~181.96~~], 196th St SW/SR 524 I/C - West Side Phase B-3 and 40th Ave W Vic to SR 5, by clearing and grubbing, asphalt concrete grinding, removal, grading, drainage, paving with asphalt concrete Class A, constructing reinforced concrete and soil nail walls, a pedestrian tunnel, two cantilever sign structures, guardrail, erosion control and planting, traffic signal, illumination, Intelligent Transportation System (ITS), pavement marking, permanent signing, traffic control, *** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

2. On page 167, line 42 is revised to read as follows:

   This project shall be physically completed within *** 300[~~450~~] *** working days.

3. On page 213, lines 45 through 49 are revised to read as follows:

   8) Installation of the complete and operational video detection system.
   9) Construction of the caisson[~~pole foundation~~] at N-W STA 520+65 [~~& 65~~] (left)
   10) Conduit and wiring for the electrical service for the irrigation system. The electrical service shall be provided from the signal controller cabinet at the intersection of 196th Avenue SW and 36th Avenue West.
   11) Installation of temporary timber poles and associated hardware as directed by the Engineer to provide temporary illumination for the Phase 2 Traffic Control Plan.

4. On page 215, the following is inserted after line 28:

   (******)
   Detector loops shall use No. 14 stranded copper conductors, Class B, with Type XLP/USE insulation.

5. On page 224, the following is inserted after line 38:

Vehicle Detector
Section 9-29.18 is supplemented with the following:

(******)
Amplifiers shall be capable of generating a continuous output to the controller when a loop or lead-in failure occurs.

Loop sealant for use in ACP pavement shall be one of the following:

1. CRAFCO 34271
2. Max Cutter Seal No. 3
3. 3M Black 5000

Loop sealant for use on concrete bridge decks and PCC pavement shall be one of the following:

1. 3M Black 5000
2. Gold Label Flex 1P
3. QCM

Installation shall conform to the manufacturer's recommendations.

6. On page 241, the following is inserted after line 50:

Induction Loop Vehicle Detectors
Section 8-20.3(14)C is supplemented with the following:

(NWR April 11, 2001)
Round Loops
Round loops shall be constructed in accordance with the following requirements:

1. Loop conductor shall conform to these Special Provisions. Loop lead-in cable shall conform to Section 9-29.3.

2. Round sawcuts shall be 6 feet in diameter and shall be constructed using equipment designed for cutting round loops. The equipment shall use a concave, diamond-segmented blade. The sawcuts shall be vertical and shall be a minimum of 0.25 inch wide. The sawcut depth shall be a minimum of 2 5/8 inches and a maximum of 3 inches measured at any point along the perimeter, except on bridge decks. Other methods of constructing the round sawcut, such as anchoring a router or flat blade saw, will not be allowed.

3. The bottom of the sawcut shall be smooth. No edges created by differences in sawcut depths will be allowed.

4. All sawcut corners shall be rounded to a minimum 1.6 inch radius.

5. All sawcuts shall be cleaned with a 1000 psi high pressure washer as certified by the manufacturer's label on the machine or as measured by an in line pressure gauge. Wash water and slurry shall be vacuumed out and the

sawcut shall be blown dry with compressed air. Sawcutting shall be subject to the requirements set forth in Section 1-07.5(3) and the subsection **Fish And Wildlife and Ecology Regulations** of the Special Provision **LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**.

6. Loops shall be installed after all grinding and prior to paving the final lift of asphalt.

7. The loop shall be constructed using 4 turns of conductor. The conductor shall be installed one turn on top of the previous turn. All turns shall be installed in a clockwise direction. The conductors shall be secured to prevent floating with 2 inch lengths of high temperature foam backer rod sized for a snug fit. The backer rod shall be spaced at 2 foot intervals around the perimeter of the sawcut and at corners.

8. Loop sealant shall be installed in 2 layers. The first layer shall be allowed to cool before the second layer is applied. Installation of the sealant shall completely encapsulate the loop conductors. A minimum of 1 inch of sealant shall be provided between the top of the conductors and the top of the sawcut. The twisted polypropylene rope noted in Standard Plan J-8a is not allowed.

7. On page 242, the following is inserted after line 18:

"Force Account Temp. Electrical Service/Illum. System", by force account as provided in Section 1-09.6.

For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount for the item "Force Account Temporary Electrical Service/Illumination System" in the bid proposal to become a part of the total bid by the Contractor.

8. The following Special Provision is added:

CULVERTS

Description

Section 7-02.1 is supplemented with the following:

(******)
This work shall consist of furnishing and installing a steel casing for culvert by jacking, augering, or a combination of both methods.

Materials

Section 7-02.2 is supplemented with the following:

(******)
24 inch diameter steel casing shall conform to ASTM A 53. The casing shall be thick enough to withstand the forces exerted by the jacking operations as well as those exerted by the earth during installation.

Construction Requirements

Section 7-02.3 is supplemented with the following:

(******)

Steel Casing Installation

Prior to installation, the Contractor shall submit a construction procedures outline to the Engineer at least 15 working days prior to the anticipated construction. The shoring and jacking plan shall be prepared by and bear the seal and signature of a licensed professional engineer. The shoring and jacking plan shall include the following:

1. Plan and elevation views showing:
    a. Dimensions of pit.
    b. Shoring, bracing, struts, walers, or sheet pile.
    c. Size and type of casing.
2. Proposed method of jacking showing:
    a. The jacking system.
    b. A detail of the separator-cushion at the end of the casing against which the jacking force will be applied.
    c. The support system behind the jack.
    d. The support system under the jack and the bottom of the pit.

Construction shall not begin until the construction procedures and plan drawings have been approved by the Engineer. Approval by the Engineer shall not relieve the Contractor of responsibility for the sufficiency of the shoring and jacking pit plans nor waive or modify any of the provisions of the Contract.

The casing shall be installed without damaging traveled lanes, shoulders, or other highway facilities in accordance with an approved traffic control plan. Jacking and augering operations shall be conducted to prevent caving ahead of the casing. The auger head shall not proceed more than 4 inches ahead of the casing being jacked. If the material encountered during the Contractor's operations makes augering ahead of the casing impractical, the auger shall be withdrawn into the casing and jacking operations shall precede the augering.

Removal of the material from the pits by washing or sluicing will not be permitted. After the casing is in place, the casing interior shall be cleaned until free from grease, dirt, rust, moisture, or other deleterious material.

All welding on steel casing sections shall be performed by a certified welder as prescribed by the AWS D1.1, Structural Welding Code, latest edition. The quality of welding shall conform to AWS D1.1-80 Section 3, Workmanship.

Unexpected Object Removal

Removal of unexpected objects such as stumps, buried pavement, building foundations, and other items defined by the Engineer that are encountered during the jacking operation shall be considered

incidental to the jacking operation unless the Engineer determines that the object cannot be removed by on site equipment or methods.

The cost of removing unexpected objects that require equipment or methods other than those available on site will be paid by force account.

Requests for extensions of time due to this work will be evaluated in accordance with Section 1-08.8.

Measurement

Section 7-02.4 is supplemented with the following:

(******)
Steel casing will be measured by the linear foot along the invert of the installed casing. Casing jacked beyond the limits shown in the Plans will be considered as being done for the Contractor's benefit and will not be measured for payment.

Payment

Section 7-02.5 is supplemented with the following:

(******)
"Furnishing and Jacking Steel Casing Pipe _____ In. Diam." per linear foot.
The unit contract price per linear foot for "Furnishing and Jacking Steel Casing _____ In. Diam." shall be full pay for performing the work as specified, including furnishing and jacking the casing, constructing the jacking and receiving pits, and removing and disposing of all excavated materials.

"Force Account Unexpected Object Removal", by force account as provided in Section 1-09.6.
For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount for the item "Force Account Unexpected Object Removal" in the bid proposal to become a part of the total bid by the Contractor.

Plans

1. All references to the End of Project MP are deleted and replaced with MP 182.18 and all references to the End of Project Station are deleted and replaced with LL 549+75.

2. Plan sheets 1, 3 through 7, 13 through 15, 59, 63, 67, 71, 75, 79 through 83, 87a, 109 through 115, 149, 150, 158, 161, 164, 165 through 169, 172, 208, 209, 211 through 213, 213A, and 215 are revised as shaded and noted on the attached sheets.

Proposal

1. On page1:

   Item No. 7, the PLAN QUANTITY is revised.
   Item No. 8, the PLAN QUANTITY is revised.

2. On page 2:

   Item No. 10, the PLAN QUANTITY is revised.
   Item No. 11, the PLAN QUANTITY is revised.
   Item No. 19, the PLAN QUANTITY is revised.

3. On page 3:

   Item No. 23, the PLAN QUANTITY is revised.
   Item No. 26, the PLAN QUANTITY is revised.
   Item No. 29, the PLAN QUANTITY is revised.
   Item No. 30, the PLAN QUANTITY is revised.
   Item No. 33, the PLAN QUANTITY is revised.

4. On page 5:

   Item No. 61, the PLAN QUANTITY is revised.

5. On page 6:

   Item No. 66, the PLAN QUANTITY is revised.
   Item No. 67, the PLAN QUANTITY is revised.
   Item No. 73, the PLAN QUANTITY is revised.

6. On page 7:

   Item No. 82, the PLAN QUANTITY is revised.

7. On page 8:

   Item No. 91, the PLAN QUANTITY is revised.
   Item No. 92, the PLAN QUANTITY is revised.
   Item No. 93, the PLAN QUANTITY is revised.
   Item No. 94, the PLAN QUANTITY is revised.
   Item No. 97, the PLAN QUANTITY is revised.
   Item No. 100, the PLAN QUANTITY is revised.

8. On page 9:

   Item No. 108, the PLAN QUANTITY is revised.
   Item No. 110, the PLAN QUANTITY is revised.

9. On page 10:

   Item No. 120, the PLAN QUANTITY is revised.
   Item No. 121, the PLAN QUANTITY is revised.

10. On page 11:

    Item No. 133, the PLAN QUANTITY is revised.
    Item No. 135, the PLAN QUANTITY is revised.
    Item No. 138, the PLAN QUANTITY is revised.
    Item No. 139, the PLAN QUANTITY is revised.

11. On page 12:

    Item No. 143, the PLAN QUANTITY is revised.
    Item No. 144, the PLAN QUANTITY is revised.

12. On page 13:

    Item 161, the PLAN QUANTITY is revised.

13. On page 14:

    Item Nos. 182, 183, and 184 are added.

14. On new page 15, Item Nos. 185 and 186 are added.

Wage Rates

The **Washington State Wage Rates For Public Works Contracts** dated 08-31-01 is deleted and replaced with the **Washington State Wage Rates For Public Works Contracts** dated 03-03-02.

Bidders are instructed to revise all references to the End of Project MP and Station as noted above.

Bidders shall furnish the Secretary of Transportation with evidence of receipt of this Addendum. This Addendum will be incorporated in the contract when awarded and when formally executed.

Harold Peterfeso, P.E.
State Design Engineer

Attachment:

Sheets 1, 3 through 7, 13 through 15, 59, 63, 67, 71, 75, 79 through 83, 87a, 109 through 115, 149, 150, 158, 161, 164, 165 through 169, 172, 208, 209, 211 through 213, 213A, and 215 of the Plans (Rev. 03-08-2002)
Pages 1 through 15 of the Proposal (Rev. 03-08-2002)
Washington State Wage Rates For Public Works Contracts (03-03-02)